



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s) John C. Harvey, James W. Cuddihy  
Serial No.: 08/056,501  
Filing Date: 3 May 93  
For: Signal Processing Apparatus and Methods

Group Art Unit: 2202  
Examiner: D. Cain

Commissioner of Patents and Trademarks  
Washington D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Although all cited references may be relevant, Applicants would like to bring to the Examiner's attention U.S. Patent Nos. 4,396,947 to Cheung, 4,054,911 to Fletcher et al., 4,367,548 to Cotten et al., and 3,936,595 to Yanagimachi et al. Copies of the listed references are provided herewith.

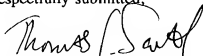
It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATION AND/OR FEE**

This IDS is being filed pursuant to 37 C.F.R. § 1.97(c) before the earlier of the mailing date of a final action or a notice of allowance. A check in the amount of **\$200.00** is enclosed to cover the small entity fee for the IDS submission under 37 C.F.R. § 1.97(c). Please charge any additional fees required in connection with this

communication to the deposit account of **Howrey & Simon**, deposit account number **08-3038**. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: February 1, 1994

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

 Attorney Docket No.  
05634/007

 Serial No.  
08/056,501

 Applicant(s)  
John C. Harvey, James W. Cuddihy

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3 May 93

 Group  
2202

**U. S. Patent Documents**

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date
	2,511,085	13 Jun 1950	Smith	179/1	
	3,363,250	9 Jan 1968	Jacobson	343/225	
	3,569,937	9 Mar 1971	Hoetter	340/171	
	3,601,528	24 Aug 1971	McVoy	178/5.1	
	3,703,684	21 Nov 1972	McVoy	325/31	
	3,725,672	3 Apr 1973	Reuter	307/208	
	3,757,225	4 Sep 1973	Ukicki	325/308	
	3,790,700	5 Feb 1974	Callais et al.	178/5.1	
	3,806,814	23 Apr 1974	Forbes	325/309	
	3,835,387	10 Sep 1974	Rookes et al.	325/55	
	3,848,193	12 Nov 1974	Martin et al.	325/53	
	3,936,595	3 Feb 1976	Yanagimachi et al.	178/5.6	
	3,949,313	6 Apr 1976	Tamada et al.	329/106	
	3,978,449	31 Aug 1976	Sanders et al.	340/146.1	
	3,988,528	26 Oct 1976	Yanagimachi et al.	178/5.6	
	4,054,911	18 Oct 1977	Fletcher et al.	358/141	
	4,205,343	27 May 1980	Barrett	358/147	
	4,225,967	30 Sep 1980	Miwa et al.	455/68	
	4,237,484	2 Dec 1980	Brown et al.	358/142	

Examiner

/Son Huynh/ (04/14/2010)

Date Considered

04/14/2010

**Examiner:** Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


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2202

**U. S. Patent Documents**

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date*
	4,286,281	25 Aug 1981	Suzuki	358/4	
	4,329,675	11 May 1982	Van Hulle	358/86	23 Sep 1980
	4,367,548	4 Jan 1983	Cotten, Jr. et al.	370/3	10 Apr 1980
	4,367,557	4 Jan 1983	Stern et al.	455/4	25 May 1979
	4,388,645	14 Jun 1983	Cox et al.	358/147	13 Apr 1981
	4,394,687	19 Jul 1983	Hutt et al.	358/147	30 Apr 1980
	4,396,947	2 Aug 1983	Cheung	358/124	26 Mar 1980
	4,449,247	15 May 1984	Waschka, Jr.	455/9	30 Jul 1980

\* - If pertinent

**Foreign Patent Documents**

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation	
					Yes	No

Examiner	/Son Huynh/ (04/14/2010)	Date Considered	04/14/2010
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket No. 05634/007	Serial No. 08/056,501
	Applicant(s) John C. Harvey, James W. Cuddihy	
	Filing Date 3 May 93	Group 2202

**Other Documents**

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Barlow, "The Design of an Automatic Machine Assignment System", <u>Journal of the SMPTE</u> , July 1975, Vol. 84, p. 532-537.
	Barlow, "The Automation of Large Program Routing Switchers", <u>SMPTE Journal</u> , July 1979, Vol. 88, p. 493-497.
	Barlow, "The Computer Control of Multiple-Bus Switchers", <u>SMPTE Journal</u> , September 1976, Vol. 85, p. 720-723.
	Barlow, "The Assurance of Reliability", <u>SMPTE Journal</u> , February 1976, Vol 85, p. 73-75.
	Barlow, "Some Features of Computer-Controlled Television Station Switchers", <u>Journal of the SMPTE</u> , March 1972, Vol. 81, p. 179-183.
	Barlow et al., "A Universal Software for Automatic Switchers", <u>SMPTE Journal</u> , October 1978, Vol. 87, p. 682-683.
	Butler, "PCM-Multiplexed Audio in a Large Audio-Video Routing Switcher", <u>SMPTE Journal</u> , November 1976, Vol. 85, p. 875-877.
	Dickson et al., "An Automated Network Center", <u>Journal of the SMPTE</u> , July 1975, Vol. 84, p. 529-532.
	Edmondson et al., "NBC Switching Central", <u>SMPTE Journal</u> , October 1976, Vol. 85, p. 795-805.
	Flemming, "NBC Television Central - An Overview", <u>SMPTE Journal</u> , October 1976, Vol. 85, p. 792-795.
	Horowitz, "CBS' New-Technology Station, WBBM-TV", <u>SMPTE Journal</u> , March 1978, Vol. 87, p. 141-146.
	Krochmal et al., "Television Transmission Audio Facilities at NBC New York", <u>SMPTE Journal</u> , October 1976, Vol. 85, p. 814-816.
	Kubota et al., "The Videomelter", <u>SMPTE Journal</u> , November 1978, Vol. 87, p. 753-754.
	Mausler, "Video Transmission Video Facilities at NBC New York", <u>SMPTE Journal</u> , October 1976, Vol. 85, p. 811-814.
	Negri, "Hardware Interface Considerations for a Multi-Channel Television Automation System", <u>SMPTE Journal</u> , November 1976, Vol. 85, p. 869-872.

Examiner /San Huynh/ (04/14/2010)	Date Considered 04/14/2010
<b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	


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**Other Documents**

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
.	Paganuzzi, "Communication in NBC Television Central", <u>SMPTE Journal</u> , November 1976, Vol. 85, p. 866-869.
	Roth et al., "Functional Capabilities of a Computer Control System for Television Switching", <u>SMPTE Journal</u> , October 1976, Vol. 85, p. 806-811.
	Rourke, "Television Studio Design - Signal Routing and Measurement", <u>SMPTE Journal</u> , September 1979, Vol. 88, p. 607-609.
	Yanney, Sixty-Device Remote-Control System for NBC's Television Central Project", <u>SMPTE Journal</u> , November 1976, Vol. 85, p. 873-877.
	Young et al., "Developments in Computer-Controlled Television Switches", <u>Journal of the SMPTE</u> , August 1973, Vol. 82, p. 658-661.
	Young et al., "The Automation of Small Television Stations", <u>Journal of the SMPTE</u> , Oct. 1971, Vol. 80, p. 806-811.
	Zborowski, "Automatic Transmission Systems for Television", <u>SMPTE Journal</u> , June 1978, Vol. 87, p. 383-385.

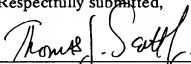
<b>Examiner</b> /Son Huynh/ (04/14/2010)	<b>Date Considered</b> 04/14/2010
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CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: November 29, 1993

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